

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-202948  
(43)Date of publication of application : 13.08.1990  
(51)Int.Cl. C08L 75/04  
C08K 5/3477  
(21)Application number : 01-322793 (71)Applicant : BAYER AG  
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(30)Priority  
Priority number : 88 3842385 Priority date : 16.12.1988 Priority DE  
from:

### (54) PRODUCTION OF POLYURETHANE FOAM

#### (57)Abstract:

PURPOSE: To obtain a polyurethane foam excellent in flame retardance and mechanical properties by reacting a polyisocyanate with a specific isocyanate- reactive hydrogen compd. in the presence of water and/or an org. blowing agent, a catalyst, and melamine with a specified size.

CONSTITUTION: A polyisocyanate (A) is reacted with a compd. (B) having at least two isocyanate-reactive hydrogen atoms and a mol.wt. of 400-10,000 in the presence of water and/or an org. blowing agent (C), a catalyst (D), and melamine (E) having a particle size of about 5-90  $\mu\text{m}$  as the flame retardant. Examples of compd. B are a known polymer-modified polyol and a polyol having many prim-hydroxyl groups. Examples of the catalyst are a tert. amine and an organometallic compd. Melamine is used pref. in an amt. of about 15-100 pts.wt. based on 100 pts.wt. compd. B.

#### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]